

Title (en)

METHOD, SYSTEM AND CIRCUIT FOR PROGRAMMING A NON-VOLATILE MEMORY ARRAY

Title (de)

VERFAHREN, SYSTEM UND SCHALTUNG ZUM PROGRAMMIEREN EINES NICHTFLÜCHTIGEN SPEICHERARRAYS

Title (fr)

PROCEDE, SYSTEME ET CIRCUIT DESTINES A PROGRAMMER UNE MATRICE MEMOIRE NON VOLATILE

Publication

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Application

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Abstract (en)

[origin: WO2005041206A2] The present invention is a multi-phase method, circuit and system for programming non-volatile memory ("NVM") cells in an NVM array (100). The present invention may include a controller (110) to determine when, during a first programming phase (2000), one or more NVM cells of a first set of cells reaches or exceeds a first intermediate voltage, and to cause a charge pump circuit (130) to apply to a terminal of the one or more cells (100) in the first set second phase programming (3000) pulses to induce relatively greater threshold voltage changes in cells having less stored charge than in cells having relatively more stored charge.

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